

CIRRICULUM VITAE

MICHAIL SERRIS

Lecturer
Department of Naval Architecture,
School of Engineering,
University of West Attica

1. PERSONAL DATA

FAMILY NAME Serris
FIRST NAME Michail
WORK ADDRESS Department of Naval Architecture, Athens University of Applied Sciences, Athens, 122 10, Greece
Tel.: 210 53 85 310 E-mail: mserris@teiath.gr

2. EDUCATION

- 1999 Ph.D. in Nuclear Physics, Department of Physics, "School of Applied Mathematical and Physical Sciences", National Technical University of Athens. Title: "A study on the excited states of the ^{122}Xe isotope".
- 1990 Bachelor degree in Physics, Department of Physics, University of Ioannina.

3. SCHOLARSHIPS

3.1 Post graduate scholarship from the Department of Physics of the National Technical University of Athens (May 1995 - June 1997).

3.2 Scholarship from the State Scholarships Foundation for the ERASMUS exchanging post graduate students program.

4. TEACHING EXPERIENCE

Lecturer, Naval Architecture Department, Athens University of Applied Sciences, 2017 – present.

"Modern Physics (Atomic - Nuclear Physics) - Laboratories", Hellenic Army Academy since 2001-2007 as an adjunct faculty member (Professor) and 2008-2010 as a Lecturer.

Member of the Laboratory Special Teaching Staff (EDIP II), "Modern Physics (Atomic - Nuclear Physics) – Laboratories", Hellenic Army Academy (2010-2017).

Associate Lecturer at the Department of Physics, Chemistry and Materials Technology of the Athens University of Applied Sciences as well as the Piraeus University of Applied Sciences.

5. Scientific – Research Interests

Nuclear Physics
Heavy ion reactions
High spin gamma-ray spectroscopy
Neutron induced reactions
Cross section measurements
Theoretical calculations
Active participation in many research programs at the respective sectors.

Member of the Hellenic Nuclear Physics Society.

6. Monographs

Serris M., “A study on the excited states of the ^{122}Xe isotope”, Ph.D Thesis, National Technical University of Athens, 1999.

7. Publications in refereed Journals

7.1 High-spin structure of ^{155}Dy . R.Vlastou, C.T.Papadopoulos, M.Serris, C.A.Kalfas, N.Fotiades, S.Harissopulos, S.Kossionides, J.F.Sharpey-Schafer, E.S.Paul, P.D.Forsyth, P.J.Nolan, N.D.Ward, M.A.Riley, J.Simpson, J.C.Lisle, P.M.Walker, M.Guttormsen and J.Rekstad, Nucl.Phys. A580(1994)133.

7.2 Highly excited $\Delta I=1$ structures in ^{193}Hg . N.Fotiades, S.Harissopulos, C.A.Kalfas, S.Kossionides, C.T.Papadopoulos, R.Vlastou, M.Serris, M.Meyer, N.Redon, R.Duffait, Y.LeCoz, L.Ducroux, F.Hannachi, I.Delongle, B.Gall, M.G.Porquet, C.Schuck, F.Azaiez, J.Duprat, A.Korichi, J.F.Sharpey-Schafer, M.J.Joyce, C.W.Beausang, P.J.Dagnall, P.D.Forsyth, S.J.Gale, P.M.Jones, E.S.Paul, J.Simpson, R.M.Clark, K.Hauschild and R.Wadsworth, J.Phys.G : Nucl. Part. Phys. 21(1995)911.

7.3 High spin levels in ^{119}Te . C.T.Papadopoulos, R.Vlastou, M.Serris, N.Fotiades, H.G.Hartas, C.A.Kalfas, S.Harissopulos, S.Kossionides, J.Simpson, E.S.Paul, S.Araddad, C.W.Beausang, M.A.Bentley, M.J.Joyce and J.F.Sharpey-Schafer, Z.Phys. A352(1995)243.

7.4 High spin structure in ^{194}Hg . N.Fotiades, S.Harissopulos, C.A.Kalfas, S.Kossionides, C.T.Papadopoulos, R.Vlastou, M.Serris, J.F.Sharpey-Schafer, M.J.Joyce, C.W.Beausang, P.J.Dagnal, P.D.Forsyth, S.J.Gale, P.M.Jones, E.S.Paul, P.J.Twin, J.Simpson, D.M.Cullen, P.Fallon, M.A.Riley, R.M.Clark, K.Hauschild and R.Wadsworth, Z.Phys. A354(1996)169.

7.5 Dipole Structures in ^{122}Xe . M.Serris, C.T.Papadopoulos, R.Vlastou, C.A.Kalfas, S.Kossionides, N.Fotiades, S.Harissopulos, C.W.Beausang, M.J.Joyce, M.A.Bentley, J.F. Scarpey-Schafer, E.S.Paul and J.Simpson, Z.Phys. A358 (1997) 135.

7.6 High spin structures of ^{122}Xe . M.Serris, C.T.Papadopoulos, R.Vlastou, C.A.Kalfas, S.Kossionides, N.Fotiades, S.Harissopulos, C.W.Beausang, M.J.Joyce, E.S.Paul, M.A.Bentley, S Araddad, J.F. Scarpey-Schafer, and J.Simpson, Z.Phys, A358 (1997) 37.

7.7 Neutron induced reactions at the Athens Tandem Accelerator NCSR “Demokritos”. R.Vlastou, C.T.Papadopoulos, M.Kokkoris, G.Perdikakis, S.Galanopoulos, M.Serris, A.Lagoyannis and S.Harissopulos. Journal of Radioanalytical and Nuclear Chemistry Vol 272 No 2 (2007) 219-222.

7.8 Experimental and theoretical studies of (n,p) reactions on Ge isotopes.

S. Galanopoulos, R. Vlastou, C.T. Papadopoulos, M. Kokkoris, G. Perdikakis, M. Serris and P. Demetriou Nuclear Instruments and Methods in Physics Research B 261 (2007) 969–973.

7.9 Study of the (n,2n) cross section measurement on the ^{174}Hf isotope

M. Serris, S. Galanopoulos, C.A. Kalfas, M. Kokkoris, A. Lagoyannis, C.T. Papadopoulos, N. Patronis, G. Perdikakis and R. Vlastou. Nuclear Instruments and Methods in Physics Research B 261 (2007) 941–944.

7.10 Free fall in vacuum: an educational Lab-experiment

I.A. Sianoudis*, M. Petraki, M. Serris, L. Prelontzos e-Journal of Science & Technology (e-JST) Vol. 4, Issue 1 (2009)

7.11 Experimental and theoretical study of the (n,2n) reaction on $^{174},^{176}\text{Hf}$ isotopes. M. Serris, M. Diakaki, S. Galanopoulos, M. Kokkoris, M. Lamprou, C. T. Papadopoulos, R. Vlastou P. Demetriou, C. A. Kalfas, and A. Lagoyannis, Phys. Rev. C 86, 034602 (2012)

7.12 Study of (n,2n) reaction on $^{191},^{193}\text{Ir}$ isotopes and isomeric cross section ratios R. Vlastou, A. Kalamara, M. Kokkoris, N. Patronis, M. Serris, M. Georgoulakis, S. Hassapoglou, K.

Kobothanasis, M. Axiotis, and A. Lagoyannis, EPJ Web of Conferences 146, 11013 (2017)

7.13 Cross section of the $^{197}\text{Au}(n,2n)^{196}\text{Au}$ reaction, A. Kalamara, R. Vlastou, M. Kokkoris, M. Diakaki, M. Serris, N. Patronis, M. Axiotis, and A. Lagoyannis, EPJ Web of Conferences 146, 11048 (2017)

7.14 $^{197}\text{Au}(n,2n)$ reaction cross section in the 15–21 MeV energy range, A. Kalamara, R. Vlastou, M. Kokkoris, N. G. Nicolis, N. Patronis, M. Serris, V. Michalopoulou, A. Stamatopoulos, A. Lagoyannis and S. Harissopoulos, PHYSICAL REVIEW C 97, 034615 (2018)

7.15 $^{191}\text{Ir}(n, 2n)$ and $^{191}\text{Ir}(n, 3n)$ reaction cross sections in the 15–21 MeV energy range, A.

Kalamara, R. Vlastou, M. Kokkoris, S. Chasapoglou, A. Stamatopoulos, N. Patronis, M. Serris, A. Lagoyannis, and S. Harissopoulos, PHYSICAL REVIEW C 98, 034607 (2018)

7.16 Determination of the $^{193}\text{Ir}(n,2n)$ reaction cross section and correction methodology for the $^{191}\text{Ir}(n,\gamma)$ contamination. A. Kalamara^{1,a}, N. Patronis², R. Vlastou¹, M. Kokkoris¹, S.

Chasapoglou¹, A. Stamatopoulos¹, M. Serris³, V. Paneta⁴, M. Axiotis⁵, A. Lagoyannis⁵, S. Harissopoulos⁵, and I.E. Stamatelatos Eur. Phys. J. A (2019) 55: 187

8. Publications in conference proceedings

8.1 High-spin structure of ^{155}Dy . R. Vlastou, C.T. Papadopoulos, M. Serris, C.A. Kalfas, N. Fotiades,

S. Harissopoulos, S. Kossionides, J.F. Sharpey-Schafer, E.S. Paul, M.A. Riley, J. Simpson, INTERNATIONAL CONFERENCE ON THE FUTURE OF NUCLEAR SPECTROSCOPY, Crete, Greece 1993.

8.2 High spin study of ^{193}Hg . N. Fotiades, S. Harissopoulos, C.A. Kalfas, S. Kossionides,

C.T. Papadopoulos, R. Vlastou, M. Serris, M.J. Joyce, J.F. Sharpey-Schafer, C.W. Beausang, D.M. Cullen, M.A. Riley, R.M. Clark, P.J. Dagnall, J. Duprat, P. Fallon, P.D. Forsyth, S.J. Gale, B. Gall, F. Hannachi, M. Meyer, N. Redon, R. Duffait, Y. Le Coz, L. Ducroux, F. Hannachi, K. Hauschild, P.M. Jones, A. Korichi, Y. Le Coz, M. Meyer, E.S. Paul, M.G. Porquet, N. Redon, C. Schuck, J. Simpson and R. Wadsworth, INTERNATIONAL CONFERENCE ON THE FUTURE OF NUCLEAR SPECTROSCOPY, Crete, Greece 1993.

8.3 Neutron induced reactions at the Athens Tandem Accelerator NCSR “Demokritos”. R.Vlastou, C.T.Papadopoulos, M.Kokkoris, G.Perdikakis, S.Galanopoulos, M.Serris, D. Giantsoudi, S. Kossionides, S.Harissopoulos, D. Karamanis and P. A. Assimakopoulos. American Institute of Physics Vol 831 (2006) 181 – 185.

8.4 Neutron activation measurements on natural Ge and Hf . S. Galanopoulos, M.Serris, G.Perdikakis, M.Kokkoris, C.T.Papadopoulos, R.Vlastou, A. Lagoyannis, A. Spyrou, Y. Kalya, S.Harissopoulos, Ch.Zarkadas and S.Kossionides. American Institute of Physics Vol 831 (2006) 451 – 453

8.5 Isomeric cross sections of neutron induced reactions on Ge and Ir isotopes
R.Vlastou, C.T.Papadopoulos, M.Kokkoris, G.Perdikakis, S.Galanopoulos, N.Patronis, M.Serris, S.Harissopoulos and P.Demetriou. International Conference on Nuclear Data for Science and Technology 2007, Nice, France, April 22-27, 2007 (δεκτό προς δημοσίευση).

8.6 Free fall in vacuum a suggestion for a simple experimental setup.
I.A. Sianoudis*, M. Petraki, M. Serris, L. Prelorentzos
-Didaktik der Physik-Regensburg 2007-ISBN 978-3-86541-255-3

8.7 Isomeric Cross-Section Study of Neutron- Induced Reactions on Ge.
R. Vlastou, S.Galanopoulos, C.T.Papadopoulos, M.Kokkoris, M.Serris, A.Lagoyiannis and P.Demetriou. International Conference on Capture γ -ray spectroscopy and related topics American Institute of Physics Vol 1090 (2009) 627 – 628.

8.8 Neutron Induced Reactions with the 17 Mev Facility at the Athens Tandem Accelerator NCSR ‘Demokritos’. R.Vlastou, A. Kalamara, M. Serris, M. Diakaki, M. Kokkoris, V. Paneta, M. Axiotis and A. Lagoyannis. Physics Procedia 66 (2015) 425 – 431

8.9 High spin states in ^{195}Hg . N.Fotiades, S.Harissopoulos, C.A.Kalfas, S.Kossionides, M. Serris, C.T.Papadopoulos, R.Vlastou, P.Fallon, S.M.Mullins, M.A.Riley, J.F.Sharpey-Schafer, 3th Hellenic Symposium on Nuclear Physics, Athens 1992.

8.10 High-spin structure of ^{155}Dy . C.T.Papadopoulos, R.Vlastou, M.Serris, C.A.Kalfas, N.Fotiades, S.Harissopoulos, S.Kossionides, J.F.Sharpey-Schafer, E.S.Paul, M.A.Riley, J.Simpson, 3th Hellenic Symposium on Nuclear Physics, Athens 1992

8.11 High spin states of ^{193}Hg . N.Fotiades, S.Harissopoulos, C.A.Kalfas, S.Kossionides, R.Vlastou, C.T.Papadopoulos, M.Serris, M.J.Joyce, J.F.Sharpey-Schafer, C.W.Beausang, D.M.Cullen, P.J.Twin, M.A.Riley, P.Fallon, P.D.Forsyth, S.J.Gale, P.M.Jones, E.S.Paul, J.Simpson, 4th Hellenic Symposium on Nuclear Physics, Ioannina 1993.

8.12 High spin levels in ^{119}Te . C.T.Papadopoulos, R.Vlastou, M.Serris, N.Fotiades, H.G.Hartas, S.Harissopoulos, C.A.Calfas, S.Kossionides, J.Simpson, E.S.Paul, S.Araddad, C.W.Beausang, M.A.Bentley, M.J.Joyce and J.F.Sharpey-Schafer, 6th Hellenic Symposium on Nuclear Physics, Pireus 1995.

8.13 Nuclear Shape coexistence in ^{194}Hg . N.Fotiades, S.Harissopoulos, C.A.Kalfas, S.Kossionides, C.T.Papadopoulos, R.Vlastou, M.Serris, J.F.Sharpey-Schafer, M.J.Joyce, C.W.Beausang, P.J.Dagnal, P.D.Forsyth, S.J.Gale, P.M.Jones, E.S.Paul, P.J.Twin, J.Simpson, D.M.Cullen, P.Fallon, M.A.Riley, R.M.Clark, K.Hauschild and R.Wadsworth, 6th Hellenic Symposium on Nuclear Physics, Pireus 1995.

- 8.14 High spin structures of ^{122}Xe . M.Serris, C.T.Papadopoulos, R.Vlastou, C.A.Kalfas, S.Kossionides, N.Fotiades, S.Harissopoulos, C.W.Beausang, M.J.Joyce, M.A.Bentley, J.F. Scarpey-Schafer, E.S.Paul and J.Simpson, 6th Hellenic Symposium on Nuclear Physics, Pireus 1995.
- 8.15 Neutron induced reactions at the Athens Tandem accelerator NCSR “Demokritos” R.Vlastou C.T.Papadopoulos, M.Kokkoris, G.Perdikakis, S. Galanopoulos, M.Serris, D. Giantsoudi, G. Argyropoulos, S.Kossionides and S.Harissopoulos. 15th Panhellenic Symposium of the Hellenic Nuclear Physics Society, Thessaloniki, May 27-28 2005.
- 8.16 Cross Section Measurements on Isotopes of Ge and Hf Using the Activation Technique. S. Galanopoulos, M.Serris, G.Perdikakis, M.Kokkoris, R.Vlastou C.T.Papadopoulos, A. Lagoyannis, A. Spyrou, Y. Kalya, S.Harissopoulos, Ch.Zarkadas, S.Kossionides. 15th Panhellenic Symposium of the Hellenic Nuclear Physics Society, Thessaloniki, May 27-28 2005.
- 8.17 Statistical model calculations of $^{72,73}\text{Ge}(n,p)$ and $^{72,74}\text{Ge}(n, \gamma)$ reactions on natural Ge. S. Galanopoulos, R. Vlastou, P. Demetriou M. Kokkoris C.T. Papadopoulos, G. Perdikakis, M. Serris. 16th Hellenic Symposium on Nuclear Physics, Athens 2006 .
- 8.18 Study of the $(n,2n)$ reaction cross section on $^{174,176}\text{Hf}$ isotopes M. Serris, S. Galanopoulos, C.A. Kalfas, M. Kokkoris, A. Lagoyannis, C.T. Papadopoulos, N. Patronis, G. Perdikakis and R. Vlastou, 16th Hellenic Symposium on Nuclear Physics, Athens .
- 8.19 Isomeric Cross Section Study of neutron induced reactions on Ge R. Vlastou, S. Galanopoulos, C.T. Papadopoulos, M. Kokkoris, M. Serris, A.Lagoyannis and P.Demetriou. 17o Pannellhnio Sumposio Purhnikhs Fusikhs, Giannena, Maios 2008.
- 8.20 . Influence of parasitic neutrons to the $^{176}\text{Hf}(n,2n)^{175}\text{Hf}$ reaction cross section R. Vlastou, M. Kokkoris, M. Serris, M. Lambrou, L. Sofokleous, M. Diakaki, A.Tsinganis, V. Loisou and A. Lagoyannis 19th Symposium of the Hellenic Nuclear Physics Society Thessaloniki on 28-29 May 2010
- 8.21 High energy neutron facility at the Athens Tandem Accelerator NCSR “Demokritos” , M. Anastasiou, R. Vlastou, A. Kalamara, M. Diakaki, M. Kokkoris, V. Paneta, M. Axiotis, A. Lagoyannis, N. Nikolis and M. Serris. 22nd Symposium of the Hellenic Nuclear Physics Society, University of Athens, May 2013
- 8.22 Activation cross section of the $(n,2n)$ reaction on Hf isotopes: A. Kalamara , M.Serris, A.Spiliotis, D. Sigalos, N.Patronis, M. Kokkoris, M. Diakaki, M.Axiotis, A. Lagoyannis and R. Vlastou 24th Annual Symposium of the Hellenic Nuclear Physics Society, University of Ioannina, May 2015.
- 8.23 Investigation of $(n,2n)$ reactions using the high energy neutron facility at NCSR “Demokritos”, R. Vlastou, A. Kalamara, M. Kokkoris, M. Serris, N. Patronis, M. Diakaki, A.Spiliotis, M. Georgoulakis, D. Sigalos, S. Hassapoglou, K. Kobothisanis, K. Krokidi, A. Lagoyannis, M. Axiotis and S. Harissopoulos. 25th Hellenic Conference on Nuclear Physics, Athens 2016 .
- 8.24 Cross section measurements of the $^{197}\text{Au}(n,2n)^{196}\text{Au}$ reaction A. Kalamara , A. Stamatopoulos, R. Vlastou, M. Kokkoris, M.Serris, N.Patronis, M.Axiotis, A. Lagoyannis, S. Harissopoulos. 26th Annual Symposium of HNPS, Athens, June 2017 .
- 8.25 Experimental and theoretical study of the $(n,2n)$ reactions on $^{174,175}\text{Hf}$ isotopes K. Krokidi, A. Kalamara, A. Stamatopoulos, S. Chasapoglou, V. Michalopoulou ,

M. Kokkoris, R.Vlastou, M. Serris, M. Axiotis, A. Lagoyannis, S.Harissopoulos. 26th Annual Symposium of HNPS, Athens